

CURRICULUM VITAE
MÓNICA MEDINA

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Current position:
Research Scientist
Dept. of Evolutionary Genomics

EDUCATION

Ph.D. 1998. Division of Marine Biology and Fisheries. Rosenstiel School of Marine and Atmospheric Science. University of Miami. *Molecular Systematics and Population Genetics of Sea Hares (Gastropoda: Opisthobranchia: Anaspidea)*.
B.S. 1989. Biology. Universidad de Los Andes. Bogotá, Colombia.

PROFESSIONAL EXPERIENCE

Research scientist. (2000 - Present). Department of Evolutionary Genomics. DOE Joint Genome Institute. Walnut Creek, California.
Research associate. (2001 - Present). Invertebrate Zoology and Geology. California Academy of Sciences. San Francisco, California
Postdoctoral research fellow. (2000). California Academy of Sciences. San Francisco, California.
Postdoctoral research fellow. (1998-2000). Marine Biological Laboratory. Woods Hole, Massachusetts.

PUBLICATIONS

- Medina, M.**, Collins, A., Taylor, J., Valentine, J.W., Lipps, J., Amaral-Zettler, L., and M.L. Sogin. (in press). Phylogeny of Opisthokonta and the evolution of multicellularity and complexity in Fungi and Metazoa. International Journal of Astrobiology.
- Medina, M.** and A. Collins. (in press). The Role of Molecules in Understanding Molluscan Evolution. In *Molecular Systematics and Phylogeography of Mollusks*. Smithsonian Institution Press.
- Walsh, P.J., Meyer, G.D, **Medina, M.**, Bernstein, M.L., Barimo, J. and Mommesen, T. (2003). A Second Glutamine Synthetase Gene with Expression in the Gills of the Ureotelic Gulf Toadfish (*Opsanus beta*). J. Exp. Biol. 206:1523-1533.
- Dehal, P., et al including **Medina, M.** (2002) The draft genome of *Ciona intestinalis*: Insights into chordate and vertebrate origins. Science 298:2157-2167.
- Medina, M.**, T.M. Collins, and P.J. Walsh. (2001). MtDNA Ribosomal Gene Phylogeny of Sea Hares in the Genus *Aplysia* (Gastropoda, Opisthobranchia, Anaspidea): Implications for Comparative Neurobiology. Syst. Biol. 50(5):676-688.

- Medina. M.**, A. Collins, J.D. Silberman, and M.L. Sogin. (2001). Evaluating Hypotheses of Basal Animal Phylogeny Using Complete Sequences of Large and Small Subunit rRNA. Proc. Natl. Acad. Sci. 98(17):9707-9712.
- Medina. M.**, and P.J. Walsh. (2000). Population genetics of the California sea hare (*Aplysia californica*) based on scnDNA and microsatellite data. Mar. Biotech. 2:449-455.
- Walsh, P.J., Heitz, M.J., Campbell, C.E., Cooper, G.J., **Medina, M.**, Wang, Y.S., Goss, G.G., Vincek, C., Wood, C., and C. P. Smith. (2000). Molecular Characterization of a Urea Transporter in the Gill of the Gulf Toadfish (*Opsanus beta*). J. Exp. Biol. 203:2357-2364.
- Medina. M.**, and P.J. Walsh. (2000). Systematics of the Order Anaspidea Based on Mitochondrial DNA Sequence (12S, 16S and COI). Mol. Phyl. Evol. 15:41-58.
- Medina, M.**, E. Weil, and A.M., Szmant. (1999). An Examination of *Montastraea annularis* species complex (Cnidaria: Scleractinia) using ITS and COI sequences. Mar. Biotech. 1: 89-97.
- Brown, J.D., T.M. Collins, **M. Medina** and E. Bermingham. (1996). Associations between physical and geographical variation within three species of Neotropical birds. Mol. Ecol. (5) 33-46.